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Model #: SU8000RT3UN50TF

SmartOnline Expandable Rack/Tower UPS System- Special version of SU8000RT3U1TF with twist-lock 50A input plug

Highlights

- 8,000VA (8kVA) on-line 8U rack/tower UPS with expandable runtime (3U Power Module + 3U Battery Pack + 2U step-down transformer) with twist-lock 208/240V 50A input plug
- Zero transfer time, on-line, double-conversion and economy-mode operation supported
- Detachable PDU with manual bypass switch enables hot-swap UPS replacement without powering off connected loads
- Maintains 208V and simultaneous 120V output
- 2% output voltage regulation over an input voltage range of 156 to 276
- Enhanced serial communications ports, SNMP/Web Card Slot and EPO interfaces
- $250,000 Ultimate LIfetime Insurance (USA, Puerto Rico, & Canada only).

Description

8,000VA (8kVA) on-line, double-conversion UPS system for critical server, network and telecommunications equipment. Installs in only 8 rack spaces (3U power module, 3U battery pack and 2U step-down transformer). Maximum installed rack depth of 32.5 in. Expandable battery runtime with optional external battery packs. Full-time sine wave 208 and 120V +/-2% output. Actively converts raw incoming AC power to DC, then re-converts output back to completely regulated, filtered AC output. Operates continuously without using battery power during brownouts to 156V and overvoltages to 276V. Highly efficient operation in optional economy mode setting, saving BTU heat output and energy costs. Includes Hubbell twist-lock 208V 50A input plug for simple installation; NEMA L6-30R, L6-20R and Nema 5-15/20R output receptacles. Detachable input-output PDU module with manual bypass switch enables hot-swap UPS replacement without disrupting power to connected equipment. Network-grade AC surge and noise suppression. Zero transfer time between AC and battery operation. Network management interfaces support communications via RS-232, contact-closure port and optional SNMPWEBCARD slot. Supports detailed monitoring of equipment load levels, self-test data and utility power conditions via network interfaces. Includes PowerAlert monitoring software and complete cabling. Includes PowerAlert monitoring software and complete cabling. Emergency Power Off (EPO) interface. Front panel LEDs offer at-a-glance confirmation of line power status, battery power status, AC-to-DC conversion, DC-to-AC conversion, bypass mode and output power status. LCD panel with scroll buttons offers detailed diagnostic test information on startup and during self tests, plus real-time data on input and output voltage, frequency (Hz), load percentage and battery charge level. LED/LCD display panel easily rotates for viewing in rackmount or tower configurations. Audible alarm. Self-test. Fault-tolerant auto-bypass mode. 4-post rackmount accessories and 2-9USTAND tower kit included; 2POSTRMKITWM two post rackmount hardware accessories available. Field replaceable, hot-swappable power module and external battery packs. Attractive all-black color scheme. 2-year warranty and $250,000connected connected equipment insurance, extended warranty and service contracts available.

Applications

- Ideal for protection of sensitive electronics in any application calling for upright tower or 19 inch rackmount UPS protection. Common applications include any mix of servers, workstations, hubs, routers, concentrators, IP telephony and traditional PBX switching systems

Package Includes

- 3U power module with detachable hot-swap PDU input/output panel and bypass switch
- 3U external battery pack, 2U step-down transformer
- Three sets of 4 post rackmount rails (one for each of the 2U and 3U components)
- One set of tower stands for upright tower configuration
- PowerAlert software, complete data cabling, user manual with warranty information

Features

- 8,000 VA (8kVA) on-line, double-conversion UPS system (High voltage input/High AND low voltage output)
- Detachable input-output PDU module with manual bypass switch enables hot-swap UPS replacement without powering off connected equipment
- Installs in only 8 rack spaces (3U power module/3U battery pack/2U step-down transformer) with a maximum installed depth of 32.5 inches
- Offers 6 min. runtime at full load (8000VA/6400W) and 15 min. at half load (4000VA/3200W). Runtime is expandable with any number of optional external battery packs
- Full-time sine wave 208V and simultaneous 120V +/-2% output
- Actively converts raw incoming AC power to DC, then re-converts output back to completely regulated, filtered AC output
- Operates continuously without using battery power during brownouts to 156V and overvoltages to 276V
- Includes Hubbell twist-lock 50A AC input plug for simple installation; input cordset is removeable to support professional hardwire installation
- 2 x NEMA L6-30R, 2 x L6-20R and 12 x 5-15/20R output receptacles
- Detailed LCD panel with scroll buttons offers detailed diagnostic test
- Network-grade AC surge and noise suppression
- Zero transfer time between AC and battery operation
- Includes slot for internal SNMP/web card, plus DB9 enhanced serial monitoring port, and contact closure port for unattended shudown, remote control and monitoring of UPS system and power data
- Supports detailed monitoring of equipment load levels, self-test data and mains power conditions via network interfaces. Includes PowerAlert monitoring software and complete cabling
- Emergency Power Off (EPO) interface
- Front panel LEDs offer at-a-glance confirmation of line power status, battery power status, AC-to-DC & DC-to-AC conversion, bypass mode and output power status.
- Fault-tolerant auto-bypass mode prevents loss of output during UPS fault conditions or excessive UPS loading
- 4 post rackmount and upright tower installation accessories included. 2POSTRMKITWM two post rackmount hardware accessories available
- Field replaceable, hot swappable power module and external battery packs
- Attractive all-black color scheme
- 2-year warranty: $250,000 connected equipment insurance
- Extended warranty and service contracts available

Specifications

SYSTEM OVERVIEW	
Voltage compatibility	208V & 120V AC
Frequency compatibility	50/60 Hz
OUTPUT	
Output VA	8000
Output watts	6400
Output nominal voltage	208V & 120V AC
Output voltage regulation	Maintains pure sine wave output at all times, regulated within 2% of selected nominal output voltage, less than 3% total harmonic distortion when used with computer loads
Output frequency regulation	Regulates line frequency to 50/60Hz +/- 0.05Hz
Outlet quantity / type	4 NEMA L6-20R, 2 NEMA L6-30R, 12 NEMA 5-15/20R
INPUT	
Maximum input amps	208V - 36A
Input connection type	Hubbell CS8265C 50A input plug (input cordset is removeable to support professional hardwire input)

Input cord length	10 ft. / 3.05 meters
Recommended Electrical Service	208V 50A circuit with either a 50A Hubbell CS8264C female connector or CS8269 wall receptacle
BATTERY	
Full load runtime	6 min. (8000VA/6400W)
Half load runtime	15 min. (4000VA/3200W)
Expandable battery runtime	Expandable with optional external battery packs
Connects to UPS via	Included 3 wire DC cable
DC system voltage	240VDC
Typical battery lifespan	4-6 years
Battery recharge rate	Less than 8 hours to 90% (included battery set only)
VOLTAGE REGULATION	
Voltage regulation description	On-line, double-conversion process give this UPS the ability to maintain output voltage within +/-2% of selected nominal voltage at all times
Overvoltage correction	Maintains continuous operation without using battery power during overvoltages to 276V AC, regulating output within 2% of selected nominal
Brownout correction	Maintains continuous operation without using battery power during brownout / undervoltage conditions to 156V AC, regulating output within 2% of selected nominal
LEDS ALARMS & SWITCHES	
Front panel LEDs	6 LED DISPLAY: line power, bypass, inverter, charger, output AC and battery operation. LED/LCD display panel easily rotates for viewing in rackmount or tower configurations.
Alarms	Multi-function audible alarm offers notification of UPS start, backup operation, low battery, overload, UPS fault, inverter fault, DC bus fault, overtemperature, remote shutdown, shutdown imminent and shutdown complete
Switches	Includes main power off/on switch, plus 2 switches to set and execute scrollable LCD functions
SURGE / NOISE SUPPRESSION	
AC suppression response time	Instantaneous
EMI / RFI AC noise suppression	Yes
PHYSICAL	
Shipping weight (lbs)	402
Shipping weight (kg)	181
Shipping Dimensions (HWD/in)	49.25 x 31.5 x 23
Shipping Dimensions (HWD/cm)	125.1 x 80 x 58.4
Unit weight (lbs)	Power Module 55 lbs., Battery Pack: 136.5 lbs., Step-down transformer: 57 lbs.
Unit weight (kg)	Power Module 25 kg., Battery Pack: 62 kg, Step down transformer: 25.9 lbs.
Unit Dimensions (HWD/in)	Power Module 5.14 x 17.5 x 25, Battery Pack 5.14 x 17.5 x 25, Step down transformer 3.5 x 17.5 x 20.75 (Installed depth of power module extends to 32.5 inches once detachable PDU backplate is installed)
Unit Dimensions (HWD/cm)	Power Module 13.3 x 44.4 x 63.5, Battery Pack 13.4 x 40.6 x 63.5, Step down transformer 8.9 x 40.6 x 52.7 (Installed depth of power module extends to 82.6 cm once detachable PDU backplate is installed)
Material of construction	Steel
Form factors supported	Rack (8U)
Cooling method	Fan

Battery Access	User replaceable, hot swappable external battery pack
ENVIRONMENTAL	
Relative Humidity	0 to 95%, non-condensing
Storage Temperature	+5 to +122 degrees Fahrenheit / -15 to +50 degrees Celsius
Operating Temperature	+32 to +104 degrees Fahrenheit / 0 to +40 degrees Celsius
Line mode BTU/hr. (Max.)	2160
Battery mode BTU/hr. (Max.)	2179
COMMUNICATIONS	
Network monitoring port	Includes 2 built-in DB9 monitoring ports (1-RS232 / 1-contact closure)
Software and cabling included	Includes PowerAlert UPS monitoring software for all common network and standalone operating systems. Cabling included.
SNMP compatibility	Built-in accessory slot accommodates internal SNMP / Web card and other network accessories
LINE / BATTERY TRANSFER	
Transfer time from line power to battery mode	Zero, online UPS continuously converts incoming AC to DC, then back to AC. When line power is interrupted, UPS maintains continuous output from battery reserves with absolutely no disruption in output AC power.
Low voltage transfer to battery power	Maintains continuous operation during undervoltages as low as 156VAC. Below this point, output is maintained utilizing battery reserves.
High voltage transfer to battery power	Maintains continuous operation during overvoltages to 276V AC. Above this point, output is maintained utilizing battery reserves.
SPECIAL FEATURES	
EPO port	Includes dedicated EPO (emergency power off) interface and cabling
Cold Start	Yes, inverter can be cold started to enable temporary AC output during a power failure
Appearance	Attractive all-black color scheme
BATTERY PACK ACCESSORY (optional)	
Battery Pack Accessory (optional)	BP240V10RT3U, BP240V557C-1PH, BP240V787C-1PH, BP240V1037C-1PH, BP240V1407C-1PH
CERTIFICATIONS	
Certifications	Tested to UL1778 (USA), CSA C22.2 No. 107.3 (Canada), CE (European Union), NOM (Mexico), Class A (Emissions), RoHS Compliant
WARRANTY	
Product Warranty Period	2 years
Connected Equipment Coverage	$250,000 connected equipment insurance (USA, Puerto Rico, and Canada only)
Optional Coverage	3-year (WEXT3-SU8000) and 5-year (WEXT5-SU8000) extended warranties available. Next-day and on-site warranty coverage available for select opportunities; contact Tripp Lite.

Related Items

Extended Warranties		
WEXT3-SU8000	3-Year Extended Warranty - For SU8000 models	Qty: [optional]
WEXT5-SU8000	5-Year Extended Warranty - For SU8000 models	Qty: [optional]

External Battery Packs		
BP240V10RT3U	External Battery Pack and Cable. 3U, Expandable, Black 3-Point Connector	Qty: [optional]

BP240V557C-1PH	External battery pack for use with select Tripp Lite UPS Systems	Qty: [optional]
BP240V787C-1PH	External battery pack for use with select Tripp Lite UPS Systems	Qty: [optional]
BP240V1407C-1PH	External battery pack for use with select Tripp Lite UPS Systems	Qty: [optional]
BP240V1037C-1PH	External battery pack for use with select Tripp Lite UPS Systems	Qty: [optional]

Rackmount/Wallmount Kits		
2POSTRMKITWM	Universal 2-Post Rackmount Kit (Supports 2U to 4U UPS systems and battery packs.)	Qty: [optional]

Shutdown Cable Kits		
AS400CABLE KIT	Power Management Tools - UPS Communication Cable Kit for System i / AS400 / iSeries Servers	Qty: [optional]

SNMP Accessories		
ENVIROSENSE	Monitors temperature, humidity and contact-closure inputs. (Requires SNMPWEBCARD or switched PDU.)	Qty: [optional]
SNMPWEBCARD	For remote monitoring and control via SNMP, Web or telnet.	Qty: [optional]

Start-Up/Warranty Services		
W02-BW0	Regular business hours start-up, excludes on-site warranty.	Qty: [optional]
W02-BW2-1BD	Regular business hours start-up and two year on-site, next business day break/fix warranty service for locations within 350 miles of a covered service area.	Qty: [optional]
W02-BW2-247	Regular business hours start-up and two year on-site, 24-by-7 break/fix warranty service for locations within 250 miles of a covered service area.	Qty: [optional]
W02-BW3-1BD	Regular business hours start-up and three year on-site, next business day break/fix warranty service for locations within 350 miles of service area.	Qty: [optional]
W02-BW3-247	Regular business hours start-up and three year on-site, 24-by-7 break/fix warranty service for locations within 250 miles of service area.	Qty: [optional]
W02-EW0	Evening or weekend hours start-up, excludes on-site warranty.	Qty: [optional]
W02-EW2-1BD	Evening or weekend hours start-up and two year on-site, next business day break/fix warranty service for locations within 350 miles of service area.	Qty: [optional]
W02-EW2-247	Evening or weekend hours start-up and two year on-site, 24-by-7 break/fix warranty service for locations within 250 miles of service area.	Qty: [optional]
W02-EW3-1BD	Evening or weekend hours start-up and three year on-site, next business day break/fix warranty service for locations within 350 miles of service area.	Qty: [optional]
W02-EW3-247	Evening or weekend hours start-up and three year on-site, 24-by-7 break/fix warranty service for locations within 250 miles of service area.	Qty: [optional]
W02-BW1-1BD	Regular business hours start-up and one year on-site, next business day break/fix warranty service for locations within 350 miles of a covered service area.	Qty: [optional]
W02-BW1-247	Regular business hours start-up and one year on-site, 24-by-7 break/fix warranty service for locations within 250 miles of a covered service area.	Qty: [optional]
W02-EW1-1BD	Evening or weekend hours start-up and one year on-site, next business day break/fix warranty service for locations within 350 miles of service area.	Qty: [optional]
W02-EW1-247	Evening or weekend hours start-up and one year on-site, 24-by-7 break/fix warranty service for locations within 250 miles of service area.	Qty: [optional]

More information, including related products, owner's manuals, and additional technical specifications, can be found online at www.tripplite.com/en/products/model.cfm?txtModelID=3812.

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